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Practitioner's Docket No.: 789_128

PATENT

AUG 16 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of: Nobukazu IKOMA, Takeya MIYASHITA and
Akihiro MUROGUCHI

Ser. No.: 10/807,985

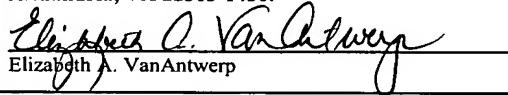
Filed: March 24, 2004

Confirmation No.: Not Assigned

For: GAS SENSOR

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

"EXPRESS MAIL" mailing label number EV 472820598 US.

I hereby certify that this paper or fee is being deposited on *August 16, 2004* with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
Elizabeth A. VanAntwerpTRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR §1.97(b)

Sir:

The information disclosure statement transmitted herewith is being filed:

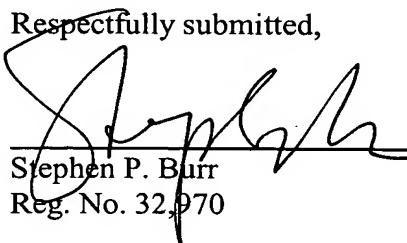
within three months of the filing date of this national application.

within three months of the date of entry of the national stage as set forth in §1.491 in an international application.

before the mailing date of the first Office action on the merits.

before the mailing of a first Office Action after the filing of a request for continued examination under §1.114.

Respectfully submitted,


Stephen P. Burr
Reg. No. 32,970

August 16, 2004

Date

SPB/eav

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Elizabeth A. VanAntwerp
Elizabeth A. VanAntwerp

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. Required copies of the references listed on Form PTO-1449 are attached.

Also enclosed is a copy of a European Search Report bearing a mailing date of June 15, 2004 from a corresponding patent application, and the U.S. PTO is directed thereto for a concise statement of possible relevance of the references cited therein.

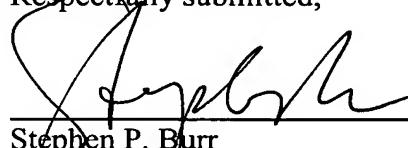
U.S. Patent No. 4,683,049, U.S. Patent No. 4,597,850 and U.S. Patent No. 5,238,552 were previously submitted in an Information Disclosure Statement on March 24, 2004 in the present application.

The above information is presented so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully

requested that the information be expressly considered during the prosecution of this application, and that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

The Commissioner is hereby authorized to charge any additional fees associated with this communication or credit any overpayment to Deposit Account No. 50-1446.

Respectfully submitted,



Stephen P. Burr
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August 16, 2004

Date

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AUG 16 2004

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

| | | | | <i>Complete if Known</i> | | | | |
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| | | | | Application Number | 10/807,985 | | | |
| | | | | Filing Date | March 24, 2004 | | | |
| | | | | First Named Inventor | Nobukazu IKOMA | | | |
| | | | | Art Unit | | | | |
| | | | | Examiner Name | | | | |
| | | | | Confirmation No. | | | | |
| Sheet | 1 | of | 1 | Attorney Docket No. | 789_128 | | | |

U.S. PATENT DOCUMENTS

| Exam. Initial | | Document Number | Date | Name | Our Docket No. | Class | Sub Class | Filing Date |
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U.S. RELATED COPENDING APPLICATIONS

| Exam. Initial | | Application/ Publication Number | Filing/ Publication Date | Inventor Name | Our Docket No. | Class | Sub Class |
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FOREIGN PATENT DOCUMENTS

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| | AK | 1 046 906 A2 | 10-25-2000 | EP | | | | |
| | AL | 0 974 836 A2 | 01-26-2000 | EP | | | | |
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OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages etc.)

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| Examiner: | Date Considered: |
|-----------|------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.